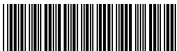



|   |  |   |
|---|--|---|
| <b>Index of Claims</b><br> | <b>Application/Control No.</b><br>10617130 | <b>Applicant(s)/Patent Under Reexamination</b><br>OWEN ET AL. |
|   | <b>Examiner</b><br>Beisner, William H      | <b>Art Unit</b><br>1744                                       |

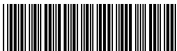
|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | + | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            |            |            |            |  | <input type="checkbox"/> CPA |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> T.D. |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> R.1.47 |  |  |  |  |  |  |  |  |  |
|--|----------|------------|------------|------------|------------|------------|------------|------------|--|------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|--|
| CLAIM  |          | DATE       |            |            |            |            |            |            |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Final  | Original | 09/05/2006 | 07/08/2007 | 01/22/2008 | 10/14/2008 | 04/07/2009 | 02/16/2010 | 06/17/2010 |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 1        | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 2        | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 3        | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 4        | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 5        | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 6        | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 7        | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 8        | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 9        | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 10       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 11       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 12       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 13       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 14       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
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|  | 16       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 17       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 18       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 19       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 20       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 21       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 22       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 23       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 24       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 25       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 26       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 27       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 28       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 29       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 30       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 31       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 32       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 33       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 34       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 35       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 36       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |

|   |  |   |
|---|--|---|
| <b>Index of Claims</b><br><br> | <b>Application/Control No.</b><br><br>10617130 | <b>Applicant(s)/Patent Under Reexamination</b><br><br>OWEN ET AL. |
|   | <b>Examiner</b><br><br>Beisner, William H      | <b>Art Unit</b><br><br>1744                                       |

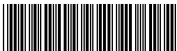
|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            |            |            |            |  | <input type="checkbox"/> CPA |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> T.D. |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> R.1.47 |  |  |  |  |  |  |  |  |  |
|--|----------|------------|------------|------------|------------|------------|------------|------------|--|------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|--|
| CLAIM  |          | DATE       |            |            |            |            |            |            |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Final  | Original | 09/05/2006 | 07/08/2007 | 01/22/2008 | 10/14/2008 | 04/07/2009 | 02/16/2010 | 06/17/2010 |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 37       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 38       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
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|  | 40       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 41       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 42       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 43       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 44       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 45       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 46       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 47       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 48       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 49       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 50       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 51       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 52       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 53       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 54       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 55       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 56       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 57       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 58       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 59       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 60       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 61       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 62       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 63       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 64       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 65       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 66       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
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|  | 68       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 69       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 70       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 71       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 72       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |

|   |  |   |
|---|--|---|
| <b>Index of Claims</b><br> | <b>Application/Control No.</b><br>10617130 | <b>Applicant(s)/Patent Under Reexamination</b><br>OWEN ET AL. |
|   | <b>Examiner</b><br>Beisner, William H      | <b>Art Unit</b><br>1744                                       |


|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            |            |            |            |  | <input type="checkbox"/> CPA |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> T.D. |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> R.1.47 |  |  |  |  |  |  |  |  |  |
|--|----------|------------|------------|------------|------------|------------|------------|------------|--|------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|--|
| CLAIM  |          | DATE       |            |            |            |            |            |            |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Final  | Original | 09/05/2006 | 07/08/2007 | 01/22/2008 | 10/14/2008 | 04/07/2009 | 02/16/2010 | 06/17/2010 |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 73       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 74       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 75       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 76       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 77       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 78       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 79       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 80       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 81       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 82       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 83       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 84       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 85       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 86       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 87       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 88       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 89       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 90       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 91       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 92       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 93       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 94       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 95       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 96       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 97       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 98       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 99       | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 100      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 101      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 102      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 103      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 104      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 105      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 106      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 107      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 108      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |

|   |  |   |
|---|--|---|
| <b>Index of Claims</b><br><br> | <b>Application/Control No.</b><br><br>10617130 | <b>Applicant(s)/Patent Under Reexamination</b><br><br>OWEN ET AL. |
|   | <b>Examiner</b><br><br>Beisner, William H      | <b>Art Unit</b><br><br>1744                                       |


|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            |            |            |            |  | <input type="checkbox"/> CPA |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> T.D. |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> R.1.47 |  |  |  |  |  |  |  |  |  |
|--|----------|------------|------------|------------|------------|------------|------------|------------|--|------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|--|
| CLAIM  |          | DATE       |            |            |            |            |            |            |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Final  | Original | 09/05/2006 | 07/08/2007 | 01/22/2008 | 10/14/2008 | 04/07/2009 | 02/16/2010 | 06/17/2010 |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 109      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 110      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 111      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 112      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 113      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 114      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 115      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 116      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 117      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 118      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 119      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 120      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 121      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 122      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 123      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 124      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 125      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 126      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 127      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 128      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 129      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 130      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 131      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 132      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 133      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 134      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 135      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 136      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 137      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 138      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 139      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 140      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 141      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 142      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 143      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 144      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |

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|---|--|---|
| <b>Index of Claims</b><br> | <b>Application/Control No.</b><br>10617130 | <b>Applicant(s)/Patent Under Reexamination</b><br>OWEN ET AL. |
|   | <b>Examiner</b><br>Beisner, William H      | <b>Art Unit</b><br>1744                                       |


|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            |            |            |            |  | <input type="checkbox"/> CPA |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> T.D. |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> R.1.47 |  |  |  |  |  |  |  |  |  |
|--|----------|------------|------------|------------|------------|------------|------------|------------|--|------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|--|
| CLAIM  |          | DATE       |            |            |            |            |            |            |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Final  | Original | 09/05/2006 | 07/08/2007 | 01/22/2008 | 10/14/2008 | 04/07/2009 | 02/16/2010 | 06/17/2010 |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 145      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 146      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 147      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 148      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 149      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 150      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 151      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 152      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 153      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 154      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 155      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 156      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 157      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 158      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 159      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 160      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 161      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 162      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 163      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 164      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 165      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 166      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 167      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 168      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 169      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 170      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 171      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 172      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 173      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 174      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 175      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 176      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 177      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 178      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 179      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 180      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |

|   |  |   |
|---|--|---|
| <b>Index of Claims</b><br> | <b>Application/Control No.</b><br>10617130 | <b>Applicant(s)/Patent Under Reexamination</b><br>OWEN ET AL. |
|   | <b>Examiner</b><br>Beisner, William H      | <b>Art Unit</b><br>1744                                       |


|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            |            |            |            |  | <input type="checkbox"/> CPA |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> T.D. |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> R.1.47 |  |  |  |  |  |  |  |  |  |
|--|----------|------------|------------|------------|------------|------------|------------|------------|--|------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|--|
| CLAIM  |          | DATE       |            |            |            |            |            |            |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Final  | Original | 09/05/2006 | 07/08/2007 | 01/22/2008 | 10/14/2008 | 04/07/2009 | 02/16/2010 | 06/17/2010 |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 181      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 182      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 183      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 184      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 185      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 186      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 187      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 188      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 189      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 190      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 191      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 192      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 193      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 194      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 195      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 196      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 197      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 198      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 199      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 200      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 201      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 202      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 203      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 204      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 205      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 206      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 207      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 208      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 209      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 210      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 211      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 212      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 213      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 214      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 215      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 216      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |

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| <b>Index of Claims</b><br><br> | <b>Application/Control No.</b><br><br>10617130 | <b>Applicant(s)/Patent Under Reexamination</b><br><br>OWEN ET AL. |
|   | <b>Examiner</b><br><br>Beisner, William H      | <b>Art Unit</b><br><br>1744                                       |

|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | + | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |


| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |            |            |            |            |            |            |            |  | <input type="checkbox"/> CPA |  | <input type="checkbox"/> T.D. |  | <input type="checkbox"/> R.1.47 |  |
|--|----------|------------|------------|------------|------------|------------|------------|------------|--|------------------------------|--|-------------------------------|--|---------------------------------|--|
| CLAIM  |          | DATE       |            |            |            |            |            |            |  |                              |  |                               |  |                                 |  |
| Final  | Original | 09/05/2006 | 07/08/2007 | 01/22/2008 | 10/14/2008 | 04/07/2009 | 02/16/2010 | 06/17/2010 |  |                              |  |                               |  |                                 |  |
|  | 217      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
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|  | 219      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 220      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 221      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 222      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 223      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 224      | -          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 225      | +          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 226      | +          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 227      | +          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
| 1  | 228      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 2  | 229      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 3  | 230      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 4  | 231      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 5  | 232      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 40   | 233      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 41   | 234      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 42   | 235      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
|  | 236      | +          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 237      | +          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 238      | +          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 239      | +          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 240      | +          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 241      | +          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 242      | +          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
|  | 243      | +          | -          | -          | -          | -          | -          | -          |  |                              |  |                               |  |                                 |  |
| 6  | 244      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 7  | 245      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 8  | 246      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 9  | 247      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 10   | 248      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 12   | 249      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 13   | 250      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 14   | 251      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |
| 15   | 252      | +          | ✓          | ✓          | ✓          | ✓          | =          | =          |  |                              |  |                               |  |                                 |  |

|   |  |   |
|---|--|---|
| <b>Index of Claims</b><br> | <b>Application/Control No.</b><br>10617130 | <b>Applicant(s)/Patent Under Reexamination</b><br>OWEN ET AL. |
|   | <b>Examiner</b><br>Beisner, William H      | <b>Art Unit</b><br>1744                                       |

|   |                 |   |                   |   |                     |   |                 |
|---|-----------------|---|-------------------|---|---------------------|---|-----------------|
| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
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|--|----------|------------|------------|------------|------------|------------|------------|------------|---|------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|--|
| CLAIM  |          | DATE       |            |            |            |            |            |            |   |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| Final  | Original | 09/05/2006 | 07/08/2007 | 01/22/2008 | 10/14/2008 | 04/07/2009 | 02/16/2010 | 06/17/2010 |   |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 11   | 253      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 16   | 254      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 17   | 255      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 24   | 256      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 25   | 257      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 26   | 258      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 27   | 259      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 38   | 260      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 28   | 261      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 29   | 262      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 30   | 263      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 31   | 264      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 32   | 265      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 33   | 266      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 34   | 267      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 36   | 268      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 35   | 269      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 37   | 270      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 39   | 271      | +          | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 272      |            | ✓          | ✓          | -          | -          | -          | -          | - |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 273      |            | ✓          | ✓          | -          | -          | -          | -          | - |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 18   | 274      |            | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 43   | 275      |            | ✓          | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 19   | 276      |            |            | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 20   | 277      |            |            | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 44   | 278      |            |            | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 45   | 279      |            |            | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 21   | 280      |            |            | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 46   | 281      |            |            | ✓          | ✓          | ✓          | ✓          | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 22   | 282      |            |            |            |            |            |            | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 23   | 283      |            |            |            |            |            |            | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 47   | 284      |            |            |            |            |            |            | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
| 48   | 285      |            |            |            |            |            |            | =          | = |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 286      |            |            |            |            |            |            | N          | - |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 287      |            |            |            |            |            |            | N          | - |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |
|  | 288      |            |            |            |            |            |            | N          | - |                              |  |  |  |  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |



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|  | <b>Examiner</b><br><br>Beisner, William H      | <b>Art Unit</b><br><br>1744                                       |

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| ✓ | <b>Rejected</b> | - | <b>Cancelled</b>  | N | <b>Non-Elected</b>  | A | <b>Appeal</b>   |
| = | <b>Allowed</b>  | ÷ | <b>Restricted</b> | I | <b>Interference</b> | O | <b>Objected</b> |

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| CLAIM  |          | DATE       |            |                              |            |            |            |                               |  |  |  |                                 |  |  |  |
| Final  | Original | 09/05/2006 | 07/08/2007 | 01/22/2008                   | 10/14/2008 | 04/07/2009 | 02/16/2010 | 06/17/2010                    |  |  |  |                                 |  |  |  |
|  | 289      |            |            |                              |            |            | N          | -                             |  |  |  |                                 |  |  |  |
|  | 290      |            |            |                              |            |            | N          | -                             |  |  |  |                                 |  |  |  |
|  | 291      |            |            |                              |            |            | N          | -                             |  |  |  |                                 |  |  |  |
|  | 292      |            |            |                              |            |            | N          | -                             |  |  |  |                                 |  |  |  |